

University of California at Davis

Agricultural Pest Control Advisor Articulation Courses

all units based on the quarter system

Physical and Biological Sciences (22.5 units)

<i>Department</i>	<i>Course Number</i>	<i>Course Title</i>	<i>Units</i>
Agricultural Management and Rangeland Resources	AMR 1	Agriculture, Nature and Society	3
Agricultural Management and Rangeland Resources	AMR 2	Botany and Physiology of Cultivated Plants	4
Agricultural Management and Rangeland Resources	AMR 130	Rangelands: Ecology, Conservation and Restoration	3
Agricultural Management and Rangeland Resources	AMR 131	Identification and Ecology of Grasses	2
Animal Biology	ABI 50A	Animal Biology Laboratory	2
Animal Biology	ABI 50B	Animal Biology	3
Animal Biology	ABI 50C	Animal Biology	3
Biological Sciences	BIS 1A	Introductory Biology	5
Biological Sciences	BIS 1B	Introductory Biology	5
Biological Sciences	BIS 101	Genes and Gene Expression	4
Biological Sciences	BIS 101D	Genes and Gene Expression Discussion	1
Biological Sciences	BIS 102	Structure and Function of Biomolecules	3
Biological Sciences	BIS 103	Bioenergetics and Metabolism	3

Biological Sciences	BIS 104	Regulation of Cell Function	3
Biological Sciences	BIS 120	Developmental Biology of Marine Invertebrates	4
Biological Sciences	BIS 122	Population Biology and Ecology	3
Chemestry	CHE 2A	General Chemistry	5
Chemestry	CHE 2B	General Chemistry	5
Chemestry	CHE 2C	General Chemistry	5
Entomology	ENT 2	Biodiversity	3
Entomology	ENT 10	Natural History of Insects	3
Entomology	ENT 101	Functional Insect Morphology	3
Entomology	ENT 102	Insect Physiology	4
Entomology	ENT 103	Insect Systematics	3
Entomology	ENT 104	Behavioral Ecology of Insects	3
Entomology	ENT 107	California Insect Diversity	5
Entomology	ENT 109	Field Taxonomy and Ecology	7
Entomology	ENT 116	Biology of Aquatic Insects	3-5
Entomology	ENT 117	Longevity	4
Entomology	ENT 119	Apiculture	3
Entomology	ENT 123	Plant Virus Vector Interaction	3
Entomology	ENT 135	Introduction to Biological Control	4
Entomology	ENT 153	Medical Entomology	3
Entomology	ENT 156	Biology of Parasitism	3

Entomology	ENT 158	Forensic Entomology	3
Entomology	ENT 206	Ecology of Insect Parasitoids	4
Entomology	ENT 225	Terrestrial Field Ecology	4
Environmental Horticulture	ENH 1	Introduction to Environmental Horticulture/ Urban Forestry	3
Environmental Horticulture	ENH 6	Introduction to Environmental Plants	4
Environmental Horticulture	ENH 105	Taxonomy and Ecology of Environmental Plant Families	4
Environmental Horticulture	ENH 144 or ERS 144	Trees and Forests	4
Environmental Horticulture	ENH 149	Evolution and Diversity of Environmental Plants	4
Environmental Horticulture	ENH 150	Genetics and Plant Conservation: The Biodiversity Crisis	3
Environmental and Resource Sciences	ERS 100	Principles of Hydrological Sciences	4
Environmental and Resource Sciences	ERS 100L	Principles of Hydrological Sciences Laboratory	2
Environmental and Resource Sciences	ERS 121	Water and Society	3
Environmental and Resource Sciences	ERS 136	Chemistry of Hydrosphere	3

Environmental and Resource Sciences	ERS 141	Role of Fire in Natural Ecosystems	4
Environmental Science and Policy	ESP 10	Introduction to Environmental Studies	4
Environmental Science and Policy	ESP 30	The Global Ecosystem	3
Environmental Science and Policy	ESP 30G	The Global Ecosystem: Laboratory/Discussion	2
Environmental Science and Policy	ESP 100	General Ecology	4
Environmental Science and Policy	ESP 101	Human Ecology	4
Environmental Science and Policy	ESP 110	Principles of Environmental Science	4
Environmental Science and Policy	ESP 121	Population Ecology	4
Environmental Science and Policy	ESP 123	Introduction to Field and Laboratory Methods in Ecology	4
Environmental Science and Policy	ESP 125A	Field Ecology	4
Environmental Science and Policy	ESP 125B	Physiological Ecology	4
Biological Sciences: Evolution and Ecology	EVE 2	Biodiversity	3

Biological Sciences: Evolution and Ecology	EVE 100	Introduction to Evolution	4
Biological Sciences: Evolution and Ecology	EVE 101	Introduction to Ecology	4
Biological Sciences: Evolution and Ecology	EVE 102	Population and Quantitative Genetics	4
Biological Sciences: Evolution and Ecology	EVE 104	Community Ecology	4
Biological Sciences: Evolution and Ecology	EVE 108	Systematics and Evolution of Angiosperms	5
Biological Sciences: Evolution and Ecology	EVE 112	Invertebrate Zoology	4
Biological Sciences: Evolution and Ecology	EVE 112L	Laboratory for Invertebrate Zoology	3
Biological Sciences: Evolution and Ecology	EVE 117	Plant Ecology	4
Biological Sciences: Evolution and Ecology	EVE 141	Principles of Systematics	3
Biological Sciences: Evolution and Ecology	EVE 149	Evolution of Ecological Systems	4

Biological Sciences: Evolution and Ecology	EVE 199	Special Studies for Advanced Undergraduates	1-5
Geology	GEL 1	The Earth	4
Geology	GEL 50	Physical Geology	3
Geology	GEL 50L	Physical Geology Laboratory	2
Geology	GEL 60	Earth Materials Introduction	4
Hydrologic Sciences	HYD 110	Irrigation Principles and Practices	3
Hydrologic Sciences	HYD 115	Irrigation and Drainage Systems	4
Hydrologic Sciences	HYD 117	Irrigation Water Management	3
Hydrologic Sciences	HYD 124	Plant-Water-Soil Relationships	4
Biological Sciences: Microbiology	MIC 102	General Bacteriology	4
Biological Sciences: Microbiology	MIC 102L	General Bacteriology Laboratory	2
Biological Sciences: Microbiology	MIC 120	Microbial Ecology	3
Biological Sciences: Microbiology	MIC 140	Bacterial Physiology	3
Biological Sciences: Microbiology	MIC 150	Bacterial Genetics	3
Biological Sciences: Microbiology	MIC 162	General Virology	4
Plant Biology	PLB 1	Plants for Garden, Orchard and Landscape	2

Plant Biology	PLB 11	Plants and the Biosphere	3
Plant Biology	PLB 12	Plants and People	3
Plant Biology	PLB 102	California Floristics	5
Plant Biology	PLB 105	Developmental Plant Anatomy	5
Plant Biology	PLB 108	Systematics and Evolution of Angiosperms	5
Plant Biology	PLB 111	Plant Physiology	3
Plant Biology	PLB 111D	Problems in Plant Physiology Discussion	1
Plant Biology	PLB 111L	Introductory Plant Physiology Laboratory	5
Plant Biology	PLB 112	Plant Growth and Development	3
Plant Biology	PLB 112D	Problems in Plant Growth and Development Discussion	1
Plant Biology	PLB 113	Molecular and Cellular Biology of Plants	3
Plant Biology	PLB 116	Plant Morphology and Evolution Lecture	5
Plant Biology	PLB 117	Plant Ecology	4
Plant Biology	PLB 118	Introductory Phycology and Bryology	5
Plant Biology	PLB 145	Sierra Nevada Flora	3
Plant Biology	PLB 147	Survey of Plant Communities of California	4
Plant Biology	PLB 148	Introductory Mycology	4
Plant Biology	PLB 152	Plant Genetics	4

Plant Pathology	PLP 148	Introductory Mycology	4
Plant Pathology	PLP 150	Fungal Ecology	3
Wildlife, Fish, and Conservation Biology	WFC 10	Introduction to the Ecology and Conservation of Vertebrates	4
Wildlife, Fish, and Conservation Biology	WFC 100	Field Methods in Wildlife, Fish and Conservation Biology	4
Wildlife, Fish, and Conservation Biology	WFC 101	Field Research in Wildlife Ecology	2

Crop Health (18 Units)

<i>Department</i>	<i>Course Number</i>	<i>Course Title</i>	<i>Units</i>
Biological Sciences: Evolution and Ecology/Plant Biology	EVE 119 or PLB 119	Population Biology of Weeds	3
Plant Biology	PLB 123	Plant-Virus-Vector Interaction	3
Plant Biology	PLB 146	Rhizosphere Ecology	3
Plant Biology	PLB 157	Physiology of Environmental Stresses in Plants	4
Plant Biology	PLB 158	Mineral Nutrition of Plants	4
Plant Biology	PLB 176	Introduction to Weed Science	3
Entomology	ENT 100 & ENT 100L	General Entomology	4
Entomology	ENT 100L	General Entomology Laboratory	2
Entomology	ENT 110	Anthropod Pest Management	5
Entomology	ENT 119	Apiculture	3
Entomology	ENT 123	Plant Virus Vector Interaction	3
Entomology	ENT 153	Medical Entomology	3
Entomology	ENT 253	Advanced Medical Entomology	3
Environmental Horticulture	ENH 120	Management of Container Media	3
Environmental Horticulture	ENH 129	Analysis of Horticultural Problems	4
Environmental Horticulture	ENH 160	Restoration Ecology	4

Environmental Horticulture	ENH 229	Analysis of Horticultural Problems	5
Environmental and Resource Sciences	ERS 173	Humans and Vegetation Change	4
Nematology	NEM 100	General Plant Nematology	4
Nematology	NEM 110	Introduction to Nematology	2
Nematology	NEM 203	Ecology of Parasitic Nematodes	2
Nematology	NEM 204	Management of Plant-Parasitic Nematodes	2
Plant Pathology	PLP 120	Introduction to Plant Pathology	4
Plant Pathology	PLP 123	Plant-Virus-Vector Interaction	3
Plant Pathology	PLP 205A-B	Diseases of Vegetable and Field Crops	4-1
Plant Pathology	PLP 206A-B	Diseases of Fruit, Nut and Vine Crops	3-1
Plant Pathology	PLP 208	Ecology of Plant Pathogens and Epidemiology of Plant Diseases	4
Plant Pathology	PLP 209	Principles of Plant Disease Control	3
Plant Pathology	PLP 224	Plant Pathogenic Fungi	4
Plant Protection and Pest Management	IPM 202-203 (PPP 202A-B)	Diagnosis of Plant Pest Problems and the Control of Causal Agents	4-4
Soil Science	SSC 10	Concepts of Soil Science	4

Soil Science	SSC 109	Nutrient Cycling and Management	5
Soil Science	SSC 111	<i>Soil Microbiology</i>	4
Soil Science	SSC 112	<i>Soil Ecology</i>	3
Wildlife, Fish, and Conservation Biology	WFC 152	Ecological Management of Problem Wildlife	3

Pest Management Systems and Methods (13.5 units)

Systems

<i>Department</i>	<i>Course Number</i>	<i>Course Title</i>	<i>Units</i>
Plant Biology	PLB 142	Ecology of Crop Systems	4
Agricultural Management and Rangeland Resources	AMR 49	Organic Crop Production Practices	3
Agricultural Management and Rangeland Resources	AMR 105	Concepts in Pest Management	3
Agricultural Management and Rangeland Resources	AMR 137	Field Course in Rangeland Monitoring and Management	2
Agricultural Management and Rangeland Resources	AMR 150	Cropping Systems of the World	4
Agricultural Management and Rangeland Resources	AMR 160	Agroforestry: Global and Local Perspectives	3
International Agricultural Development/ Pomology	IAD 162/POM 162	Field Course in Tropical Ecology and Sustainable Agricultural Development	11
Plant Protection and Pest Management	IPM 201 (PPP 201)	Concepts and Systems of Plant protection and Pest Management	4
Plant Protection and Pest Management	IPM 202-203 (PPP 202A-B)	Diagnosis of Plant Pest Problems and the Control of Causal Agents	4-4

Vegetable Crops	VCR 216	Ecology and Agriculture	3
Viticulture and Enology	VEN 118	Grapevine Pests: Diseases and Disorders	3

Methods

<i>Department</i>	<i>Course Number</i>	<i>Course Title</i>	<i>Units</i>
Plant Biology	PLB 154	Introduction to Plant Breeding	4
Plant Biology	PLB 160	Principles of Plant Biotechnology	3
Plant Biology	PLB 177	Action of Herbicides	3
Agronomy	AGR 221	Advanced Plant Breeding	4
Applied Biological Systems Technology	ABT 145	Field Equipment Technology	2
Applied Biological Systems Technology	ABT 175	Introduction to Precision Agriculture	3
Applied Biological Systems Technology	ABT 233	Pest Control Practices	3
Entomology	ENT 135	Introduction to Biological Control	4
Entomology	ENT 230	Advanced Biological Control	4
Environmental and Resource Sciences	ERS 141	Role of Fire in Natural Ecosystems	4
Environmental Science and Policy	ESP 126	Environmental and Occupational Epidemiology	4
Environmental Toxicology	ETX 10	Introduction to Toxicology	3
Environmental Toxicology	ETX 101	Principles of Environmental Toxicology.	3

Environmental Toxicology	ETX 112A	Toxicants in the Environment.	3
Environmental Toxicology	ETX 114A	Biological Effects of Toxicants	3
Nematology	NEM 205	Insect Nematology and Biological Control	2

Production Systems

<i>Department</i>	<i>Course Number</i>	<i>Course Title</i>	<i>Units</i>
Applied Biological Systems Technology	ABT 142	Equipment and Technology for Small Farms	2
Agricultural Management and Rangeland Resources	AMR 1	Agriculture, Nature and Society	3
Agricultural Management and Rangeland Resources	AMR 107	Small Fruit Production	2
Agricultural Management and Rangeland Resources	AMR 110A	Principles of Agronomic Crop Production in Temperate and Tropical Systems	3
Agricultural Management and Rangeland Resources	AMR 110B	Management of Agronomic Crops in Temperate and Tropical Systems	3
Agricultural Management and Rangeland Resources	AMR 110C	Crop Management Systems for Vegetable Production	3
Agricultural Management and Rangeland Resources	AMR 110L	Principles of Agronomy Laboratory	1
Agricultural Management and Rangeland Resources	AMR 118	Seed Production and Quality	4
Agricultural Management and Rangeland Resources	AMR 130	Rangelands: Ecology, Conservation and Restoration	3

Agricultural Management and Rangeland Resources	AMR 134	Comparative Ecology of Major Rangeland Systems	3
Agricultural Management and Rangeland Resources	AMR 135	Ecology and Community Structure of Grassland and Savannah Herbivores	3
Agricultural Management and Rangeland Resources	AMR 170A	Fruit and Nut Cropping Systems	2
Agricultural Management and Rangeland Resources	AMR 170B	Fruit and Nut Cropping Systems	2
Animal Science	ANS 41	Domestic Animal Production	2
Animal Science	ANS 41L	Domestic Animal Production	2
Plant Biology	PLB 142	Ecology of Crop Systems	4
Plant Biology	PLB 143	Evolution of Crop Plants	3
Plant Biology	PLB 144	Trees and Forests	4
Plant Biology	PLB 171	Plant Propagation	4
Plant Biology	PLB 172	Postharvest Physiology and Handling of Horticultural Commodities	3
Plant Biology	PLB 173	Biological Applications in Fruit Tree Management	2
Plant Biology	PLB 174	Biological Applications in Fruit Production	2

Plant Biology	PLB 175	Applied Plant Biology	4
Plant Biology	PLB 196	Postharvest Technology of Horticultural Crops	3
Pomology	POM 10	Fruits and Nuts of California and the World	3
Pomology	POM 212	Postharvest Biology and Biotechnology of Fruits and Nuts	3
Entomology	ENT 119	Apiculture	3
Environmental Horticulture	ENH 100	Urban Forestry	4
Environmental Horticulture	ENH 102	Physiological Principles in Environmental Horticulture	4
Environmental Horticulture	ENH 125	Greenhouse and Nursery Crop Production	5
Environmental Horticulture	ENH 130	Turfgrass and Amenity Grassland Utilization and Management	4
Environmental Horticulture	ENH 133	Woody Plants in the Landscape: Growth, Ecology and Management	4
Environmental Science and Policy	ESP 125C	Applied Conservation Biology	4
International Agricultural Development	IAD 160	Agroforestry: Global and Local Perspectives	3
Plant Pathology	PLP 40	Edible Mushroom Cultivation	2
Viticulture and Enology	VEN 2	Introduction to Viticulture	2

Viticulture and Enology	VEN 101A	Viticultural Practices	2
Viticulture and Enology	VEN 101B	Viticultural Practices	2
Viticulture and Enology	VEN 115	Raisin and Table Grape Production	2
Viticulture and Enology	VEN 116	Winegrape Production	3
Viticulture and Enology	VEN 216	Vineyard Establishment and Development	4